

PATENT

Sheet 1 of 10

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

ATTY. DOCKET NO.

20023Y

SERIAL NO.

09/271,098

APPLICANT(S)

REY T. CHERN, ET AL.

FILING DATE

March 18, 1999

GROUP ART UNIT

1615 1616

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
7	2,562,830	7/31/51	Hans Stenzl			
7	3,337,570	8/22/67	Sherlock, et al.			
	3,748,356	7/24/73	Wellinga, et al.			
	3,904,682	9/9/75	Fried, et al.			
	3,950,360	4/13/76	Aoki, et al.			
	4,009,197	2/22/77	Fried, et al.			
	4,072,716	2/7/78	Sauer, et al.			
	4,150,108	4/17/79	Graham			
	4,199,569	4/22/80	Chabala, et al.			
	4,225,598	9/30/80	Brechbuhler, et al.			
	4,233,299	11/11/80	Trummlitz, et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
1.568	EP-0-179-022	4/23/86	EPO				X
	EP-0-508-699	10/14/92	EPO				
99	EP-0-846-686	6/10/98	EPO				
	EP-0-295-117	12/14/88	EPO				
	EP-0-892-060	1/20/99	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

7	AA	Shah, et al., J. Controlled Release, (1993) 27:139-147
	AB	Lambert and Peck, J. Controlled Release, (1995) 33:189-195
	AC	Shivley, et al., J. Controlled Release, (1995) 33:237-243

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09/271,098

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)APPLICANT(S)
CHERN, ET AL.FILING DATE
3/18/99GROUP ART UNIT
1616/616

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
2	4,294,753	10/13/81	Urist			
	4,283,400	8/11/81	von Bittera, et al.			
	4,310,519	1/12/82	Albers-Schonberg, et al.			
	4,329,332	5/11/82	Couvreur, et al.			
	4,331,652	5/25/82	Ludwig, et al.			
	4,333,919	6/8/82	Kleber, et al.			
	4,389,330	6/21/83	Tice, et al.			
	4,427,663	1/24/84	Mrozik			
	4,455,256	6/19/84	Urist			
	4,468,390	8/28/84	Kitano			
	4,489,055	12/18/84	Couvreur, et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
7	EP 0 537 559	4/21/93	EPO				
	EP-0-007-812	2/6/80	EPO				
	EP-0-002-916	7/11/79	EPO				
	WO 96/29073	9/26/96	PCT				
7	1 390 336	4/9/75	UK				

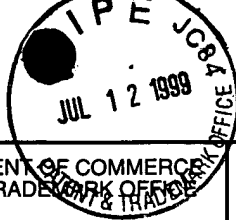
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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CHERN, ET AL.

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16151616

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
7	4,526,909	7/2/85	Urist	1		
7	4,526,938	7/2/85	Churchill, et al.			
	4,530,840	7/23/85	Tice, et al.			
	4,542,025	9/17/85	Tice, et al.			
	4,563,489	1/7/86	Urist			
	4,596,574	6/24/86	Urist			
	4,619,989	10/28/86	Urist			
	4,675,189	6/23/87	Kent, et al.			
	4,677,191	6/30/87	Tanaka, et al.			
	4,683,288	7/28/87	Tanaka, et al.			
	4,686,092	8/11/87	Lok, et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
7	GB 2 140 010	11/21/84	UK				
7	237 086	7/27/93	New Zealand				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,742,060	5/3/88	Shiokawa, et al.			
	4,751,225	6/14/88	Nishida, et al.			
	4,758,435	7/19/88	Schaaf			
	4,761,471	8/2/88	Urist			
	4,789,732	12/6/88	Urist			
	4,795,804	1/3/89	Urist			
	4,798,837	1/17/89	Drabek, et al.			
	4,855,317	8/8/89	Gehret			
	4,857,335	8/15/89	Bohm			
	4,857,456	8/15/89	Urist			
	4,859,657	8/22/89	O'Sullivan, et al.			

FOREIGN PATENT DOCUMENTS

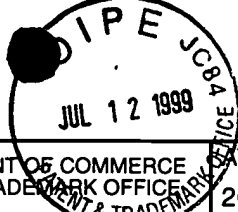
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1615 / 616

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
7	4,871,719	10/3/89	Maiefisch			
	4,874,749	10/17/89	Mrozik			
	4,894,373	1/16/90	Young			
	4,902,296	2/20/90	Bolander, et al.			
	4,904,478	2/27/90	Walsdorf, et al.			
	4,911,931	3/27/90	Baylink			
	4,916,241	4/10/90	Hayward, et al.			
	4,920,148	4/24/90	Gehret			
	4,921,697	5/1/90	Peterlik, et al.			
	4,931,287	6/5/90	Bae, et al.			
	4,938,763	7/3/90	Dunn, et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

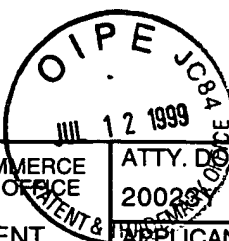
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1615 1616

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,275,820	1/4/94	Chang			
	5,278,201	1/11/94	Dunn, et al.			
	5,278,202	1/11/94	Dunn, et al.			
	5,288,496	2/22/94	Lewis			
	5,324,519	6/28/94	Dunn, et al.			
	5,324,520	6/28/94	Dunn, et al.			
	5,340,849	8/23/94	Dunn, et al.			
	5,368,859	11/29/94	Dunn, et al.			
	5,399,582	3/21/95	Dombrowski, et al.			
	5,401,507	3/28/95	Lewis			
	5,419,910	5/30/95	Lewis			

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						YES	NO

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,427,796	6/27/95	Lewis			
	5,447,725	9/5/95	Damani, et al.			
	5,478,564	12/26/95	Wantier, et al.			
	5,487,897	1/30/96	Polson, et al.			
	5,540,912	7/30/96	Roorda, et al.			
	5,567,429	10/22/96	Senbo			
	5,599,552	2/4/97	Dunn, et al.			
	5,599,852	2/4/97	Scopelianos, et al.			
	5,607,686	3/4/97	Totakura, et al.			
	5,609,886	3/11/97	Wantier, et al.			
	5,631,015	5/20/97	Bezwada, et al.			

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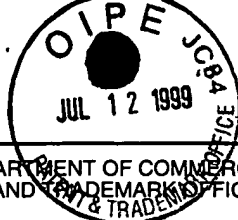
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1615 16/6

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,632,727	5/27/97	Tipton, et al.			
	5,643,595	7/1/97	Lewis			
	5,654,010	8/5/97	Johnson, et al.			
	5,660,849	8/26/97	Polson, et al.			
	5,686,092	11/11/97	Lewis			
	5,700,485	12/23/97	Berde, et al.			
	5,702,716	12/30/97	Dunn, et al.			
	5,702,717	12/30/97	Cha, et al.			
	5,707,647	1/13/98	Dunn, et al.			
	5,711,968	1/27/98	Tracy, et al.			
	5,717,030	2/10/98	Dunn, et al.			

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2	5,725,491	3/10/98	Tipton, et al.			
2	5,733,566	3/31/98	Lewis			
2	5,733,950	3/31/98	Dunn, et al.			
2	5,736,152	4/7/98	Dunn			
2	5,744,153	4/28/98	Yewey, et al.			
2	5,759,563	6/2/98	Yewey, et al.			
2	5,780,044	7/14/98	Yewey, et al.			
2	5,824,653	10/20/98	Beuvry, et al.			

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R. CHERN, ET AL.

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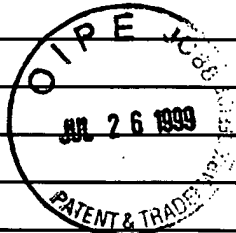
MARCH 18, 1999

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16/6

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

7		Carrio, et al., Chem. Abstr., 124:37547

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